CONTRACT INSPECTION REPORT

CONTRACT NO.

TASK NO.

25X

TO:

ENGINEERING SECTION/CB/PD/OL

DATE: 24 October 1965

INSPECTION REPORT NO. *(If final, so state)*: 1

ESTIMATED COMPLETION DATE: 1 April 1966

25X

NAME OF CONTRACTOR

25X

TYPE OF COMMODITY OR SERVICE

AP-3 Mixed Computer

THE CONTRACTOR IS ON SCHEDULE ☒ YES ☐ NO

PER CENT OF WORK COMPLETED - 30%

PER CENT OF FUNDS EXPENDED - 30%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO *(If yes, give details on reverse side.)*

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO *(If yes, indicate items, quantity, and cost on reverse side.)*

INCENTIVES

IS THIS AN INCENTIVE CONTRACT ☐ YES ☒ NO

IF YES, CHECK TYPE ☐ COST ☐ PERFORMANCE ☐ DELIVERY

NOTE:
USE REVERSE SIDE FOR COMMENTS.
FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING
2. ☐ EXCELLENT
3. ☐ ABOVE AVERAGE
4. ☒ AVERAGE
5. ☐ BELOW AVERAGE
6. ☐ BARELY ADEQUATE
7. ☐ UNSATISFACTORY

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER *(Specify)*

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR: 4 October 1965

SIGNATURE OF INSPECTOR

DIVISION

25X

INSPECTOR'S EXTENSI

NARRATIVE REPORT [redacted] 25X

On the 4th of October, [redacted] of 25X
P&DS visited [redacted] 25X

X1 The [redacted] engineers have almost completed the logic design for the system. Programming is in the study phase and actual programming will start within the next month. Work has started on the assembly of an As-11A computer. This computer will be delivered to the [redacted] 25X
X1 [redacted] on 1 December. It will be checked out for a month prior to modification for the AP-3 system. Card locations have been worked out and the coordinatograph servos will be located in a cabinet by themselves.

X1 The [redacted] Comparator and coordinatograph are to be delivered to
X1 [redacted] in February 1966. The modification of the computer, the logic and the programming will be ready for incorporation into the system in February 1966.

Relative and absolute orientation of the stereo models was discussed. A stereo model will be set up to 5 micron accuracy on the given control points, contouring and profiling accuracy is also 5 micron. By bringing a second tape into the program, measurements to 1½ micron accuracy can be taken for distances up to 2 inches.

X1 [redacted] had several questions as to handling terrestrial photography. The monitor informed them that a simple arrangement to switch the Y and Z axis for this type of configuration would be adequate. They further requested that we attempt to provide minimum and maximum depth of field range. If we can provide concrete figures, they could write two terrestrial programs. One tape could be used for rapid solution of ordinary circumstances and a second tape to be used for vast differences in depth of field.

A round figure for maximum distance is also needed, infinity cannot be used since the distance is divided by the focal length in the program.

This system will use only tape, any cards would have to be run through a card to tape converter.

X1 [redacted] of TID had requested information on the possibility of preparing programs off line on the IBM 490 or 494 for use on the AP-3. This could be accomplished if we wanted to change the code on the AS-11A (AP-3) or if we use a tape converter. The program would have to be debugged on the AP-3. The center has previously asked for Teletype ASA standard 7 channel code for input and output. All programs will be
X1 worked out at [redacted] in a code compatable to the RCA 501 and then converted to any code specified by the user.

X1 [redacted] has also requested information on training personnel.
X1 [redacted] recommends that the training of operators and programmers take place at the Center upon delivery of the instrument. They recommend that we also consider maintenance training.

The contractor indicates that the output could be coded to indicate: model point coordinate output, average distance, photo points, etc., if we so desire. A check with [redacted] will be made to see if this would interfer with programs.